

December 2, 2003

Mr. Stephen Smith, Director, Facilities Services
Saint Vincent Hospital and Health Services
2001 West 86th Street
Indianapolis, IN 46240

Re: Significant Source Modification 097-17256-00129 and Significant Permit Revision 097-17919-00129
to Part 70 permit No.: T097-7469-00129

Dear Mr. Stephen Smith:

Saint Vincent Hospital and Health Services was issued a Part 70 operating permit T097-7469-00129 on May 24, 2000 for a general medical and surgical hospital. Applications to modify the source were received on May 13, 2003 and May 30, 2003. Pursuant to 326 IAC 2-7-10.5, the following emission units are approved for construction at the source:

- (a) One (1) steam boiler, identified as EU-04, capable of burning natural gas and #2 fuel oil, with a maximum capacity of 34.8 MMBtu/hr when burning #2 fuel oil and 36.5 MMBtu/hr when burning natural gas, with a low NO_x burner, and exhausting to stack 4.
- (b) One (1) fuel oil fired emergency generator, identified as Emergency Generator #3 (EU-08), with a maximum capacity of 13.6 MMBtu/hr and exhausting to stack 08.

The following construction conditions are applicable to the proposed project:

General Construction Conditions

1. The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).
2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. Effective Date of the Permit
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.
4. Pursuant to 326 IAC 2-1.1-9 and 326 IAC 2-7-10.5(i), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

6. Pursuant to 326 IAC 2-7-10.5(l) the emission units constructed under this approval shall not be placed into operation prior to revision of the source's Part 70 Operating Permit to incorporate the required operation conditions.

Pursuant to 326 IAC 2-7-12(d), a significant permit modification to this permit is hereby approved as described in the attached Technical Support Document and modified Part 70 Operating Permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter call Amanda Hennessy at 327-2510.

Sincerely,

Original Signed by John B. Chavez

John B. Chavez
Administrator

Enclosures: Technical Support Document
Revised Part 70 Operating Permit

ajh

cc: File
U.S. EPA, Region V
IDEM, OAQ - Mindy Hahn
Air Compliance - Matt Mosier
Air Permits - Amanda Hennessy

PART 70 OPERATING PERMIT

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY and INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES

**Saint Vincent Hospital and Health Services
2001 W. 86th Street
Indianapolis, Indiana 46240**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15, IC 13-17 and the Code of Indianapolis and Marion County, Chapter 511.

Operation Permit No.: T097-7469-00129	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Quality Mona A. Salem, Chief Operations Officer Department of Public Works, City of Indianapolis	Issuance Date: May 24, 2000 Expiration Date: May 24, 2005

First Administrative Amendment: A097-15085-00129, issued November 16, 2001

First Significant Permit Revision SPR097-17919-00129	Pages Affected: Total Permit
Issued by: Original Signed by John B. Chavez John B. Chavez, Administrator Office of Environmental Services	Issuance Date: December 2, 2003

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SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) and The Indianapolis Office of Environmental Services (OES). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

The Permittee owns and operates stationary source General Medical and Surgical Hospital.

Responsible Official:	Stephen D. Smith, Director of Facilities Services
Source Address:	2001 W. 86 th Street, P.O. Box 40970, Indianapolis, Indiana 46240
Mailing Address:	2001 W. 86 th Street, P.O. Box 40970, Indianapolis, Indiana 46240
Phone Number:	317-338-2348
SIC Code:	8062
County Location:	Marion
County Status:	Nonattainment for Particulate Material Attainment for all other criteria pollutants
Source Status:	Part 70 Permit Program Minor Source, under PSD; and Major Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

- (a) One (1) 29.2 mmBtu Zurn natural gas and Number 2 fuel oil fired boiler, constructed in 1971, identified as EU-01, exhausting to stack/vent ID 01 with a production capacity of 24,000 pounds per hour of steam.
- (b) One (1) 29.2 mmBtu Zurn natural gas and Number 2 fuel oil fired boiler, constructed in 1971, identified as EU-02, exhausting to stack/vent ID 02 with a production capacity of 24,000 pounds per hour of steam.
- (c) One (1) 35.5 mmBtu Zurn natural gas and Number 2 fuel oil fired boiler, constructed in 1987, identified as EU-03, exhausting to stack/vent ID 03 with a production capacity of 30,000 pounds per hour of steam.
- (d) One (1) steam boiler, identified as EU-04, capable of burning natural gas and #2 fuel oil,

with a maximum capacity of 34.8 MMBtu/hr when burning #2 fuel oil and 36.5 MMBtu/hr when burning natural gas, with a low NOx burner, and exhausting to stack 04.

- (e) One (1) 35.5 mmBtu Zurn natural gas and Number 2 fuel oil fired boiler, constructed in 1987, identified as EU-05, exhausting to stack/vent ID 05 with a production capacity of 30,000 pounds per hour of steam.
- (f) One (1) 11.33 mmBtu Caterpillar Number 2 fuel oil fired emergency generator, constructed in 1992, identified as Emergency Generator #1 (EU-06), exhausting to stack/vent ID 06.
- (g) One (1) 11.33 mmBtu Caterpillar Number 2 fuel oil fired emergency generator, constructed in 1992, identified as Emergency Generator #2 (EU-07), exhausting to stack/vent ID 07.
- (h) One (1) fuel oil fired emergency generator, identified as Emergency Generator #3 (EU-08), with a maximum capacity of 13.6 MMBtu/hr and exhausting to stack 08.

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)]
[326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

- (a) One (1) 5.3 mmBtu H.B. Smith natural gas and Number 2 fuel oil fired boiler constructed in 1985, identified as EU-09, exhausting to stack/vent ID 09. [326 IAC 6-2-4]
- (b) One (1) 2.96 mmBtu Caterpillar Number 2 fuel oil fired emergency generator, constructed in 1985, identified as Emergency Generator #4 (EU-10), exhausting to stack/vent ID 10.

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-7-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, Code of Indianapolis and Marion County Chapter 511, 326 IAC 1-2, IAPCB Reg. 1-2-2 and 326 IAC 2-7) shall prevail.

B.2 Permit Term [326 IAC 2-7-5(2)]

This permit is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f), IC 13-15-5-3, and Code of Indianapolis and Marion County Chapter 511. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date.

B.3 Enforceability [326 IAC 2-7-7(a)]

- (a) Unless otherwise stated, terms and conditions of this permit, including any provisions designed to limit the source's potential to emit, are enforceable by the United States Environmental Protection Agency (U.S. EPA), IDEM, OES, and citizens in accordance with the Clean Air Act.
- (b) Unless otherwise stated, all terms and conditions in this permit that are local requirements, including any provisions designed to limit the source's potential to emit, are enforceable by OES.

B.4 Termination of Right to Operate [326 IAC 2-7-10] [326 IAC 2-7-4(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.5 Severability [326 IAC 2-7-5(5)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

This permit does not convey any property rights of any sort, or any exclusive privilege.

B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

- (a) The Permittee shall furnish to IDEM, OAQ, and OES within a reasonable time, any information that IDEM, OAQ or OES may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ and OES copies of records required to be kept by this permit
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U.S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Compliance with Permit Conditions [326 IAC 2-7-5(6)(A)] [326 IAC 2-7-5(6)(B)]

- (a) The Permittee must comply with all conditions of this permit. Noncompliance with any

provisions of this permit is grounds for:

- (1) Enforcement action;
 - (2) Permit termination, revocation and reissuance, or modification; or
 - (3) Denial of a permit renewal application.
- (b) Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act.
- (c) It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
- (d) An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

B.9 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, on the attached Certification Form, with each submittal.
- (c) A responsible official is defined at 326 IAC 2-7-1(34).

B.10 Annual Compliance Certification [326 IAC 2-7-6(5)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than April 15 of each year to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

Office of Environmental Services
Air Quality Management Section, Data Compliance
2700 South Belmont Avenue

Indianapolis, Indiana 46221

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, and the OES on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
 - (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was based on continuous or intermittent data;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ, and the OES may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

B.11 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)]
[326 IAC 1-6-3]

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- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMP) within ninety (90) days after issuance of this permit, including the following information on each facility:
 - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions;
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

Office of Environmental Services
Air Quality Management Section, Data Compliance
2700 South Belmont Avenue
Indianapolis, Indiana 46221

The PMP extension notification does not require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

- (b) The Permittee shall implement the Preventive Maintenance Plans, including any required record keeping, as necessary to ensure that failure to implement the Preventive Maintenance Plan does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.
- (c) A copy of the PMP's shall be submitted to IDEM, OAQ, and the OES upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ, and the OES. IDEM, OAQ, and the OES may require the Permittee to revise its Preventive Maintenance Plan whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by the “responsible official” as defined by 326 IAC 2-7-1(43).

B.12 Emergency Provisions [326 IAC 2-7-16]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
 - (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
 - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, and the OES within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: 317-233-5674 (ask for Compliance Section)
Facsimile Number: 317-233-5967

or

OES
Telephone No.: 317-327-2234 (ask for Data Compliance)
Facsimile No.: 317-327-2274

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

Office of Environmental Services
Air Quality Management Section, Data Compliance
2700 South Belmont Avenue
Indianapolis, Indiana 46221

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) IDEM, OAQ, and the OES may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4-(c)(9) be revised in response to an emergency.

- (f) Failure to notify IDEM, OAQ, and the OES by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.
- (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.13 Permit Shield [326 IAC 2-7-15] [326 IAC 2-7-20] [326 IAC 2-7-12]

- (a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed in compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, or OES shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
- (d) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.
- (e) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
 - (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

- (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
- (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
- (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (f) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (g) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, or OES has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (h) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, or OES has issued the modification. [326 IAC 2-7-12(b)(8)]

B.14 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either
 - (1) incorporated as originally stated,
 - (2) revised, or
 - (3) deletedby this permit.
- (b) All previous registrations and permits are superseded by this permit.

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

- (a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provisions), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Office of Environmental Services
Air Quality Management Section, Data Compliance
2700 South Belmont Avenue
Indianapolis, Indiana 46221

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination
[326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, and the OES determines any of the following:
 - (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAQ, and the OES to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, and the OES at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, and the OES may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.17 Permit Renewal [326 IAC 2-7-4]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and the OES and shall include the information specified in 326

IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Office of Environmental Services
Air Quality Management Section, Data Compliance
2700 South Belmont Avenue
Indianapolis, Indiana 46221

(b) Timely Submittal of Permit Renewal [326 IAC 2-7-4(a)(1)(D)]

(1) A timely renewal application is one that is:

- (A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
- (B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, and the OES on or before the date it is due.

(2) If IDEM, OAQ, and the OES, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

(c) Right to Operate After Application for Renewal [326 IAC 2-7-3]

If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ, and the OES, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, and the OES, any additional information identified as being needed to process the application.

(d) United States Environmental Protection Agency Authority [326 IAC 2-7-8(e)]

If IDEM, OAQ, and the OES fails to act in a timely way on a Part 70 permit renewal, the U.S. EPA may invoke its authority under Section 505(e) of the Clean Air Act to terminate

or revoke and reissue a Part 70 permit.

B.18 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]

(a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Office of Environmental Services
Air Quality Management Section, Data Compliance
2700 South Belmont Avenue
Indianapolis, Indiana 46221

Any such application should be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

(d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.

**B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)]
[326 IAC 2-7-12 (b)(2)]**

(a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1)(D)(i) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.20 Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (c), or (e), without a prior permit revision, if each of the following conditions is

met:

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
- (3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

Office of Environmental Services
Air Quality Management Section, Data Compliance
2700 South Belmont Avenue
Indianapolis, Indiana 46221

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

- (5) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-7-20(b), (c), or (e) and makes such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ, and the OES in the notices specified in 326 IAC 2-7-20(b), (c)(1), and (e)(2).

- (b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following

- (1) A brief description of the change within the source;
- (2) The date on which the change will occur;

- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, OES, or U.S. EPA is required.

B.21 Source Modification Requirement [326 IAC 2]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.

B.22 Inspection and Entry [326 IAC 2-7-6] [IC 13-14-2-2] [IC 13-30-3-1]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, the OES, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any

photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Office of Environmental Services
Air Quality Management Section, Permits
2700 South Belmont Avenue
Indianapolis, Indiana 46221

The application which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)] [326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ, and the OES, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ, or the OES the applicable fee is due April 1 of each year.
- (b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, I/M & Billing Section), to determine the appropriate permit fee.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-7-5(1)]

C.1 Particulate Matter Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour [40 CFR 52 Subpart P] [326 IAC 6-3-2]

- (a) Pursuant to 40 CFR 52, Subpart P, particulate matter emissions from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.
- (b) Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour. This condition is not federally enforceable.

C.2 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations) opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.3 Open Burning [326 IAC 4-1] [IC 13-17-9][Code of Indianapolis and Marion County Code Chapter 511]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.

C.4 Incineration [326 IAC 4-2][326 IAC 9-1-2]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2. The provisions of 326 IAC 9-1-2 are not federally enforceable.

The Permittee shall not open burn any material except as provided in Chapter 4, Code of Indianapolis and Marion County and IAPCB Reg 4-1. Provisions of the code that are more stringent than 326 IAC 4-1 are locally enforceable only by OES.

C.5 Fugitive Dust Emissions [326 IAC 6-4][IAPCB Reg. 11-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) and IAPCB Reg. II-4 is not federally enforceable.

C.6 Operation of Equipment [326 IAC 2-7-6(6)]

Except as otherwise provided by statute or rule, or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission unit vented to the control equipment is in operation.

C.7 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted. The provisions of 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4(d), (e), and (f), and 326 IAC 1-7-5(D) are not federally enforceable.

C.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61.140]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
 - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Office of Environmental Services
Enforcement Section, Asbestos Program
2700 South Belmont Avenue
Indianapolis, Indiana 46221

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-4, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) Demolition and renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement that the inspector be accredited is federally enforceable.

Testing Requirements [326 IAC 2-7-6(1)]

C.9 Performance Testing [326 IAC 3-6]

-
- (a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

Office of Environmental Services
Air Quality Management Section, Data Compliance
2700 South Belmont Avenue
Indianapolis, Indiana 46221

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) The Permittee shall notify IDEM, OAQ and OES of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ and the OES not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, and the OES, if the source submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.10 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]

C.11 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management

Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

Office of Environmental Services
Air Quality Management Section, Data Compliance
2700 South Belmont Avenue
Indianapolis, Indiana 46221

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a source modification shall be implemented when operation begins.

C.12 Maintenance of Monitoring Equipment [326 IAC 2-7-5(3)(A)(iii)]

- (a) In the event that a breakdown of the monitoring equipment occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem. To the extent practicable, supplemental or intermittent monitoring of the parameter should be implemented at intervals no less frequent than required in Section D of this permit until such time as the monitoring equipment is back in operation. In the case of continuous monitoring, supplemental or intermittent monitoring of the parameter should be implemented at intervals no less than one (1) hour until such time as the continuous monitor is back in operation.
- (b) The Permittee shall install, calibrate, quality assure, maintain, and operate all necessary monitors and related equipment. In addition, prompt corrective action shall be initiated whenever indicated.

C.13 Monitoring Methods [326 IAC 3]

Any monitoring or testing required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, or other approved methods as specified in this permit.

Corrective Actions and Response Steps [326 IAC 2-7-5] [326 IAC 2-7-6]

C.14 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

- (a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

- (b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

and

Office of Environmental Services
Air Quality Management Section, Data Compliance
2700 South Belmont Avenue
Indianapolis, Indiana 46221

within ninety (90) days after the date of issuance of this permit.

The ERP does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) If the ERP is disapproved by IDEM, OAQ, and the OES, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.
- (d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.
- (e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.
- (f) Upon direct notification by IDEM, OAQ, and the OES, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.15 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68.215]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the source must comply with the applicable requirements of 40 CFR 68.

C.16 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-7-5][326 IAC 2-7-6]

- (a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ and OES upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:

- (1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an

expected timeframe for taking reasonable response steps.

- (2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.
- (b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:
 - (1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or
 - (2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.
 - (3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be 10 days or more until the unit or device will be shut down, then the permittee shall promptly notify the IDEM, OAQ of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.
 - (4) Failure to take reasonable response steps shall be considered a violation of the permit.
- (c) The Permittee is not required to take any further response steps for any of the following reasons:
 - (1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.
 - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for a minor permit modification to the permit, and such request has not been denied.
 - (3) An automatic measurement was taken when the process was not operating.
 - (4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.

- (d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.
- (e) The Permittee shall record all instances when, in accordance with Section D, response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.
- (f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

**C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5]
[326 IAC 2-7-6]**

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

C.18 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

- (a) The Permittee shall submit an annual emission statement certified pursuant to the requirements of 326 IAC 2-6, that must be received by April 15 of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. The annual emission statement shall meet the following requirements:
 - (1) Indicate estimated actual emissions of criteria pollutants from the source, in compliance with 326 IAC 2-6 (Emission Reporting);
 - (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) ("Regulated pollutant which is used only for purposes of Section 19 of

this rule”) from the source, for purposes of Part 70 fee assessment.

- (b) The annual emission statement covers the twelve (12) consecutive month time period starting January 1 and ending December 31. The annual emission statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

Office of Environmental Services
Air Quality Management Section, Data Compliance
2700 South Belmont Avenue
Indianapolis, Indiana 46221

- (c) The annual emission statement required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, and the OES on or before the date it is due.

C.19 General Record Keeping Requirements [326 IAC 2-7-5(3)][326 IAC 2-7-6]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner or the OES makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner or the OES within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.20 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]

- (a) The source shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

Office of Environmental Services
Air Quality Management Section, Data Compliance
2700 South Belmont Avenue
Indianapolis, Indiana 46221

- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, and the OES on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) Reporting periods are based on calendar years.

Stratospheric Ozone Protection

C.21 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

- (a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- (b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions:

- (a) One (1) 29.2 mmBtu Zurn natural gas and Number 2 fuel oil fired boiler, constructed in 1971, identified as EU-01, exhausting to stack/vent ID 01 with a production capacity of 24,000 pounds per hour of steam.
- (b) One (1) 29.2 mmBtu Zurn natural gas and Number 2 fuel oil fired boiler, constructed in 1971, identified as EU-02, exhausting to stack/vent ID 02 with a production capacity of 24,000 pounds per hour of steam.
- (c) One (1) 35.5 mmBtu Zurn natural gas and Number 2 fuel oil fired boiler, constructed in 1987, identified as EU-03, exhausting to stack/vent ID 03 with a production capacity of 30,000 pounds per hour of steam.
- (d) One (1) steam boiler, identified as EU-04, capable of burning natural gas and #2 fuel oil, with a maximum capacity of 34.8 MMBtu/hr when burning #2 fuel oil and 36.5 MMBtu/hr when burning natural gas, with a low NOx burner, and exhausting to stack 04.
- (e) One (1) 35.5 mmBtu Zurn natural gas and Number 2 fuel oil fired boiler, constructed in 1993, identified as EU-05, exhausting to stack/vent ID 05 with a production capacity of 30,000 pounds per hour of steam.
- (f) One (1) 11.33 mmBtu Caterpillar Number 2 fuel oil fired emergency generator, constructed in 1992, identified as Emergency Generator #1 (EU-06), exhausting to stack/vent ID 06.
- (g) One (1) 11.33 mmBtu Caterpillar Number 2 fuel oil fired emergency generator, constructed in 1992, identified as Emergency Generator #2 (EU-07), exhausting to stack/vent ID 07.
- (h) One (1) fuel oil fired emergency generator, identified as Emergency Generator #3 (EU-08), with a maximum capacity of 13.6 MMBtu/hr and exhausting to stack 08.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 SO₂ Emissions Limitations [326 IAC 7-1.1-2(a)(3)] [40 CFR 60, Subpart Dc] [40 CFR 60, Subpart A]

- (a) Pursuant to 326 IAC 7-1.1-2(a)(3) (SO₂ Emissions Limitations) The SO₂ emissions from the natural gas and Number 2 fuel oil fired boilers identified as EU-01, EU-02, EU-03, EU-04, and EU-05 shall not exceed five tenths (0.5) pounds per million Btu heat input.
- (b) The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated as 326 IAC 12, apply to EU-04 except when otherwise specified in 40 CFR 60, Subpart Dc.

- (c) Pursuant to 40 CFR 60.42c(d), the SO₂ emissions from EU-04 and EU-05 shall not exceed five tenths (0.5) pounds per million Btu heat input or the sulfur content of the fuel oil shall not exceed five-tenths percent (0.5%) by weight. Pursuant to 40 CFR 60.42c(i), the fuel oil sulfur content limit applies at all times, including periods of startup, shutdown, and malfunction.
- (d) Pursuant to 40 CFR 60.43c(c), emissions from EU-04 and EU-05 are limited to twenty percent (20%) opacity (6 minute averages) except for one six (6) minute period per hour of not more than twenty seven percent (27%) opacity. Pursuant to 40 CFR 60.43c(d), this opacity standard applies at all times, including periods of startup, shutdown, and malfunction.

D.1.2 Particulate Matter [326 IAC 6-1-12]

Pursuant to 326 IAC 6-1-12 (Particulate Rules) the PM emissions from each of the three (3) Zurn natural gas and Number 2 fuel oil fired boilers identified as EU-01, EU-02, EU-03 shall each be limited as follows:

- a) 0.011 pounds per million Btu (lbs/mmBtu) heat input
- b) 0.7 tons per year of PM.

D.1.3 Particulate Matter [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4 (Particulate Matter Emission Limitations for Sources of Indirect Heating):

- (a) The Particulate Matter (PM) emissions from EU-04 shall be limited to 0.2862 pounds per MMBtu of heat input.
- (b) The Particulate Matter (PM) emissions from the 35.5 million Btu per hour boiler, identified as EU-05, shall be limited to 0.03 pounds per million Btu of heat input (mmBtu/hr) heat input.

This limitation is based on the following equation:

$$P_t = \frac{1.09}{Q^{0.26}}$$

Where: Pt = Pounds of particulate matter emitted per million Btu (lb/mmBtu) heat input
Q = Total source maximum operating capacity rating in mmBtu per hour heat input.

D.1.4 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for EU-05 and EU-04.

Compliance Determination Requirements

D.1.5 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

The Permittee is not required to test this facility by this permit. However, IDEM may require

compliance testing when necessary to determine if the facility is in compliance. If testing is required by IDEM or OES, compliance with the PM limits specified in Condition D.1.2, D.1.3, shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

D.1.6 Sulfur Dioxide Emissions and Sulfur Content

Compliance with condition D.1.1(a) and (c) shall be determined utilizing one of the following options.

- (a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the fuel oil sulfur content does not exceed five-tenths percent (0.5%) by weight by:
 - (1) Providing vendor analysis of fuel delivered, if accompanied by a certification;
 - (2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.
 - (A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and
 - (B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling; or
 - (3) Complying with the fuel usage limit
- (b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

A determination of noncompliance pursuant to either of the methods specified in (a) or (b) above shall not be refuted by evidence of compliance pursuant to the other method.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.1.7 Opacity Monitoring under 40 CFR 60, Subpart Dc

The Permittee shall only burn distillate fuel oil (fuel oil #1 or #2) in EU-04 and EU-05 such that the requirement to install, maintain and operate CEMS is not applicable.

D.1.8 Visible Emissions Notations

- (a) Visible emission notations of the EU-01, EU-02, EU-03, EU-04, and EU-05 stack exhaust shall be performed once per shift during normal daylight operations while combusting fuel oil. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation,

Records, and Reports, shall be considered a deviation from this permit.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.9 Record Keeping Requirements

- (a) To document compliance with Condition D.1.1(a) and (c), the Permittee shall maintain records in accordance with (1) through (6) below for EU-01, EU-02, EU-03, EU-04, and EU-05. Note that pursuant to 40 CFR 60 Subpart Dc, the fuel oil sulfur limit applies at all times for EU-04 and EU-05 including periods of startup, shutdown, and malfunction.

- (1) Calendar dates covered in the compliance determination period;
- (2) Actual fuel oil and natural gas usage since last compliance determination period and equivalent sulfur dioxide emissions;
- (3) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period; and

If the fuel supplier certification is used to demonstrate compliance the following, as a minimum, the following shall be maintained:

- (4) Fuel supplier certifications;
- (5) The name of the fuel supplier; and
- (6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years, or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.

- (b) To document compliance with Condition D.1.8, the Permittee shall maintain records of daily visible emission notations of the stack exhausts for all emission units covered in this section.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.10 Reporting Requirements

A semi-annual summary of the information to document compliance with Condition D.1.1 (Report fuel usage to show compliance with 40 CFR 60, Subpart Dc), Condition D.1.2 and the natural gas fired boiler certification, shall be submitted to the address listed in Section C - General Reporting Requirements, using the forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the six (6) month period being reported.

SECTION D.2 FACILITY OPERATION CONDITIONS - Insignificant Activities

Facility Description [326 IAC 2-7-5(15)] The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions:

- (a) One (1) 5.3 mmBtu H.B. Smith natural gas and Number 2 fuel oil fired boiler constructed in 1985, identified as EU-09, exhausting to stack/vent ID 09.
- (b) One (1) 2.96 mmBtu Caterpillar Number 2 fuel oil fired emergency generator, constructed in 1985, identified as Emergency Generator #4 (EU-10), exhausting to stack/vent ID 10.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.2.1 Particulate Matter [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4 (Particulate Matter Emission Limitations for Sources of Indirect Heating):

- (a) The Particulate Matter (PM) emissions from the boiler identified as EU-09 shall be limited to 0.03 pounds of particulate matter emitted per million Btu (lb/mmBtu) heat input

The limitation is based on the following equation:

$$Pt = \frac{1.09}{Q^{0.26}}$$

Where: Pt = Pounds of particulate matter emitted per million Btu (lb/mmBtu) heat input
Q = Total source maximum operating capacity rating in million Btu per hour (mmBtu/hr) heat input.

Compliance Determination Requirements

D.2.2 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

The Permittee is not required to test this facility by this permit. However, IDEM and OES may require compliance testing when necessary to determine if the facility is in compliance. If testing is required by IDEM or OES, compliance shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

and

**INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES
AIR QUALITY MANAGEMENT SECTION**

**PART 70 OPERATING PERMIT
CERTIFICATION**

Source Name: Saint Vincent Hospitals and Health Services
Source Address: 2001 W. 86th Street, Indianapolis, Indiana 46240
Mailing Address: 2001 W. 86th Street, Indianapolis, Indiana 46240
Part 70 Permit No.: T097-7469-00129

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

- ☐ Annual Compliance Certification Letter
- ☐ Test Result (specify) _____
- ☐ Report (specify) _____
- ☐ Notification (specify) _____
- ☐ Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

OFFICE OF AIR QUALITY

COMPLIANCE DATA SECTION

P.O. Box 6015

100 North Senate Avenue

Indianapolis, Indiana 46206-6015

Phone: 317-233-5674

Fax: 317-233-5967

and

INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES

AIR QUALITY MANAGEMENT SECTION

2700 South Belmont Ave.

Indianapolis Indiana 46221

Phone: 317-327-2234

Fax: 317-327-2274

PART 70 OPERATING PERMIT

EMERGENCY/DEVIATION OCCURRENCE REPORT

Source Name: Saint Vincent Hospitals and Health Services
Source Address: 2001 W. 86th Street, Indianapolis, Indiana 46240
Mailing Address: 2001 W. 86th Street, Indianapolis, Indiana 46240
Part 70 Permit No.: T097-7469-00129

This form consists of 2 pages

Page 1 of 2

Check either No. 1 or No.2

- 9** 1. This is an emergency as defined in 326 IAC 2-7-1(12)
- ☐ The Permittee must notify the Office of Air Quality (OAQ), within four **(4)** business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and
- ☐ The Permittee must submit notice in writing or by facsimile within two **(2)** days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16

- 9** 2. This is a deviation, reportable per 326 IAC 2-7-5(3)(C)
- ☐ The Permittee must submit notice in writing within ten **(10)** calendar days

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:

Control Equipment:

Permit Condition or Operation Limitation in Permit:

Description of the Emergency/Deviation:

Describe the cause of the Emergency/Deviation:

If any of the following are not applicable, mark N/A

Page 2 of 2

Date/Time Emergency/Deviation started:

Date/Time Emergency/Deviation was corrected:

Was the facility being properly operated at the time of the emergency/deviation? Y N
Describe:

Type of Pollutants Emitted: TSP, PM-10, SO₂, VOC, NO_x, CO, Pb, other:

Estimated amount of pollutant(s) emitted during emergency/deviation:

Describe the steps taken to mitigate the problem:

Describe the corrective actions/response steps taken:

Describe the measures taken to minimize emissions:

If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____
Title / Position: _____
Date: _____
Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

and

**INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES
AIR QUALITY MANAGEMENT SECTION**

**PART 70 OPERATING PERMIT
NATURAL GAS FIRED BOILER CERTIFICATION**

Source Name: Saint Vincent Hospitals and Health Services
Source Address: 2001 W. 86th Street, Indianapolis, Indiana 46240
Mailing Address: 2001 W. 86th Street, Indianapolis, Indiana 46240
Part 70 Permit No.: T097-7469-00129

**This certification shall be included when submitting monitoring, testing reports/results
or other documents as required by this permit.**

Report period

Beginning: _____

Ending: _____

Boiler Affected

Alternate Fuel
FromTo

Days burning alternate fuel

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE DATA SECTION**

**INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES
 AIR QUALITY MANAGEMENT SECTION, DATA COMPLIANCE**

Semi-Annual Report

Source Name: Saint Vincent Hospitals and Health Services
 Source Address: 2001 W. 86th Street, Indianapolis, Indiana 46240
 Mailing Address: 2001 W. 86th Street, Indianapolis, Indiana 46240
 Part 70 Permit No.: T097-7469-00129
 Facility: Boilers EU-01, EU-02, EU-03, EU-04, EU-05
 Parameter: Natural Gas and fuel oil

Month	Natural gas burned this month	Fuel Oil this month	Natural gas (for fuel oil) equivalence for this month	Natural gas and equivalence for 12 month period	Natural Gas and equivalence for previous 11 months

9 No deviation occurred in this month.
 9 Deviation/s occurred in this month.
 Deviation has been reported on: _____

Submitted by: _____
 Title/Position: _____

Signature: _____
Date: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
and**

**INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES
AIR QUALITY MANAGEMENT SECTION**

**PART 70 OPERATING PERMIT
SEMI-ANNUAL COMPLIANCE MONITORING REPORT**

Source Name: Saint Vincent Hospitals and Health Services
Source Address: 2001 W. 86th Street, Indianapolis, Indiana 46240
Mailing Address: 2001 W. 86th Street, Indianapolis, Indiana 46240
Part 70 Permit No.: T097-7469-00129

Months: _____ to _____ Year: _____

This report is an affirmation that the source has met all the compliance monitoring requirements stated in this permit. This report shall be submitted semi-annually. Any deviation from the compliance monitoring requirements and the date(s) of each deviation must be reported. Additional pages may be attached if necessary. This form can be supplemented by attaching the Emergency/Deviation Occurrence Report. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

9 NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

9 THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD.

Compliance Monitoring Requirement (e.g. Permit Condition D.1.3)	Number of Deviations	Date of each Deviation

Form Completed By: _____
Title/Position: _____

Permit Reviewer: Kevin Leone

Date:

Phone:

Attach a signed certification to complete this report.

Attachment A

The following state rules have been adopted by reference by the Indianapolis Air Pollutant Control Board and are enforceable by Indianapolis Office of Environmental Services (OES) using local enforcement procedures.

- (1) 326 IAC 1-1-1 through 1-1-3 and 1-1-5;
- (2) 326 IAC 1-2-1 through 1-2-91 (In addition, the IAPCB has adopted several local definitions);
- (3) 326 IAC 1-3-1 through 1-3-4;
- (4) 326 IAC 1-4-1 (The IAPCB added to the adoption by reference a citation to 61 FR 58482 (November 15, 1996));
- (5) 326 IAC 1-5-1 through 1-5-5;
- (6) 326 IAC 1-6-1 through 1-6-6;
- (7) 326 IAC 1-7-1 through 1-7-5
- (8) 326 IAC 2-3-1 through 2-3-5;
- (9) 326 IAC 2-4-1 through 2-4-6;
- (10) 326 IAC 2-6-1 through 2-6-4;
- (11) 326 IAC 2-7-1 through 2-7-18, 2-7-20 through 2-7-25;
- (12) 326 IAC 2-8-1 through 2-8-15, 2-8-17 through 2-8-10;
- (13) 326 IAC 2-9-1 through 2-9-14;
- (14) 326 IAC 2-10-1 through 2-10-5 (The IAPCB adoption adds the language "state or local" immediately after the word "federal" in 326 IAC 2-10-1);
- (15) 326 IAC 2-11-1, 2-11-3 and 2-11-4 (The IAPCB adoption adds the language "federal, state or local" immediately after the word "by" in 326 IAC 2-11-1);
- (16) 326 IAC 3-1.1-1 through 3-1.1-5;
- (17) 326 IAC 3-2.1-1 through 3-2.1-5;
- (18) 326 IAC 3-3-1 through 3-3-5;
- (19) 326 IAC 4-2-1 through 4-2-2;
- (20) 326 IAC 5-1-1 (a), (b) and c) (5), 5-1-2 (1), (2)(A), (2)c) (4), 5-1-3 through 5-1-5, 5-1-7;
- (21) 326 IAC 7-1.1-1 and 7-1.1-2;
- (22) 326 IAC 7-2-1;
- (23) 326 IAC 7-3-1 and 7-3-2;
- (24) 326 IAC 7-4-2(28) through (31) (Instead of adopting by reference 7-4-2(1) through (27), the IAPCB regulation substitutes the same requirements listed in a format in which the companies are alphabetized and emission points known to no longer exist have been deleted);
- (25) 326 IAC 8-1-0.5 except (b), 8-1-1 through 8-1-2, 8-1-3 except c), (g) and (i), 8-1-5 through 8-1-12;
- (26) 326 IAC 8-2-1 through 8-2-12 (The IAPCB adoption by reference of 8-2- 5 adds additional language specific to Zimmer Paper Products, Incorporated as subpart c);
- (27) 326 IAC 8-3-1 through 8-3-7;
- (28) 326 IAC 8-4-1 through 8-4-5, 8-4-6 (a)(6), (a)(8) and (a)(14) and 8-4-6(b)(1), (b)(3) and 8-4-6c) (In place of 8-4-6(b)(2), which was not adopted, the IAPCB adopted language requiring a pressure relief valve set to release at no less than four and eight-tenths (4.8) Kilo Pascals (seven-tenths (0.7) pounds per square inch)), 8-4-7 except (e), 8-4-8 and 8-4-9;
- (29) 326 IAC 8-5-1 through 8-5-4, 8-5-5 except (a)(3) and (d)(3);
- (30) 326 IAC 8-6-1 and 8-6-2;
- (31) 326 IAC 9-1-1 and 9-1-2;
- (32) 326 IAC 11-1-1 through 11-1-2;
- (33) 326 IAC 11-2-1 through 11-2-3;
- (34) 326 IAC 11-3-1 through 11-3-6;
- (35) 326 IAC 14-1-1 through 14-1-4;

Attachment A continued

- (36) 326 IAC 14-2-1 except 40 CFR 61.145;
- (37) 326 IAC 14-3-1;
- (38) 326 IAC 14-4-1;
- (39) 326 IAC 14-5-1;
- (40) 326 IAC 14-6-1;
- (41) 326 IAC 14-7-1;
- (42) 326 IAC 14-8-1 through 14-8-5;
- (43) 326 IAC 15-1-1, 15-1-2(a)(1), (a)(2) and (a)(8), 15-1-3 and 15-1-4;
- (44) 326 IAC 20-1-1 through 20-1-4 (In 20-1-3(b)(2) the adoption states that "permitting authority" means the commissioner of IDEM or the administrator of OES, whichever is applicable);
- (45) 326 IAC 20-2-1;
- (46) 326 IAC 20-3-1;
- (47) 326 IAC 20-4-1;
- (48) 326 IAC 20-5-1;
- (49) 326 IAC 20-6-1;
- (50) 326 IAC 20-7-1;
- (51) 326 IAC 20-8-1;
- (52) 326 IAC 20-9-1;
- (53) 326 IAC 20-14-1;
- (54) 326 IAC 20-15-1;
- (55) 326 IAC 20-16-1;
- (56) 326 IAC 20-17-1;
- (57) 326 IAC 20-18-1;
- (58) 326 IAC 20-19-1;
- (59) 326 IAC 20-20-1;
- (60) 326 IAC 20-21-1;
- (61) 326 IAC 21-1-1 (The adoption states that "or the administrator of OES" is added in (b));
- (62) 326 IAC 22-1-1 (The adoption states that "or the administrator of OES" is added in (b)).

**Indiana Department of Environmental Management
Office of Air Quality
and
Indianapolis Office of Environmental Services**

Addendum to the Technical Support Document for a Significant Permit Revision
to a Part 70 Operating Permit

Source Name:	Saint Vincent Hospital and Health Services
Source Location:	2001 West 86th Street, Indianapolis, IN 46240
County:	Marion
SIC Code:	8062
Operation Permit No.:	T097-7469-00129
Significant Permit Revision No.:	SPR097-17919-00129
Significant Source Modification No.:	SSM097-17256-00129
Permit Reviewer:	Amanda Hennessy

On September 25, 2003, the Office of Air Quality (OAQ) and the Office of Environmental Services (OES) had a notice published in the Indianapolis Star stating that Saint Vincent Hospital and Health Services had applied for a Significant Source Modification and Significant Permit Revision to a Part 70 Operating Permit for a new emergency generator and a new boiler. The notice also stated that OAQ and OES proposed to issue a permit revision for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

On October 21, 2003, Saint Vincent Hospital and Health Services submitted comments on the proposed Part 70 permit. The summary of the comments is as follows:

Comment 1:

The only corrections we saw on the Permit draft are some minor details in the Table of Contents:

D.1.4 Preventive Maintenance Plan
D.1.5 Testing Requirements
D.1.6 Sulfur Dioxide Emissions and Sulfur Content
D.1.7 Opacity

Certification	Page 35
Emergency / Deviation Occurrence Report	Page 36
Natural Gas Fired Boiler Certification	Page 38
Semi-Annual Report	Page 39
Semi-Annual Compliance Monitoring Report	Page 40
Attachment A	Page 41

Response to Comment 1:

IDEM and OES agree. The following changes have been made in the Table of Contents:

D.1 FACILITY OPERATION CONDITIONS - Five (5) Natural Gas/ #2 Fuel Oil Fired Boilers and Three (3) Emergency Generators 30

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 SO₂ Emissions Limitations [326 IAC 7-1.1-2(a)(3)] [40 CFR 60, Subpart Dc] [40 CFR 60,

Subpart A]

- D.1.2 Particulate Matter [326 IAC 6-1-12]
- D.1.3 Particulate Matter [326 IAC 6-2-4]
- ~~D.1.4 Opacity [40 CFR Part 60.43c]~~
- D.1.54 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

Compliance Determination Requirements

- D.1.65 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]
- D.1.76 Sulfur Dioxide Emissions and Sulfur Content

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- D.1.7 Opacity Monitoring under 40 CFR 60, Subpart Dc**
- D.1.8 Visible Emissions Notations

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

- D.1.9 Record Keeping Requirements
- D.1.10 Reporting Requirements

D.2 FACILITY OPERATION CONDITIONS - Insignificant Activities 34

Emission Limitations and Standards [326 IAC 2-7-5(1)]

- D.2.1 Particulate Matter [326 IAC 6-2-4]

Compliance Determination Requirements

- D.2.2 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

Certification	4035
Emergency/Deviation Occurrence Report	4136
Natural Gas Fired Boiler Certification	4338
Semi-Annual Report	4439
Semi-Annual Compliance Monitoring Report	4540
Attachment A (state rules adopted by reference)	4641

**Indiana Department of Environmental Management
Office of Air Quality
and
Indianapolis Office of Environmental Services**

**Technical Support Document (TSD) for a
Part 70 Significant Source Modification
and
Part 70 Significant Permit Revision**

Source Background and Description

Source Name:	Saint Vincent Hospital and Health Services
Source Location:	2001 W. 86th Street
County:	Marion
SIC Code:	8062
Operation Permit No.:	T 097-7469-00129
Operation Permit Issuance Date:	5-24-2000
Significant Source Modification No.:	SSM097-17256-00129
Significant Permit Revision No.:	SPR-097-17919-00129
Permit Reviewer:	Amanda Hennessy

The Office of Air Quality (OAQ) has reviewed a modification application from Saint Vincent Hospital and Health Services relating to the construction of the following emission units and pollution control devices:

- (a) One (1) steam boiler, identified as EU-04, capable of burning natural gas and #2 fuel oil, with a maximum capacity of 34.8 MMBtu/hr when burning #2 fuel oil and 36.5 MMBtu/hr when burning natural gas, with a low NO_x burner, and exhausting to stack 04.
- (b) One (1) fuel oil fired emergency generator, identified as Emergency Generator #4, with a maximum capacity of 13.6 MMBtu/hr and exhausting to stack 12.

This approval combines both construction approval (SSM097-17256-00129) and the associated permit revision (SPR097-17919-00129) for the new steam boiler and the fuel oil fired emergency generator. Both approvals are taking place concurrently so that the fuel usage limit in the original Part 70 Permit can be corrected. This must be corrected in order for the construction of the steam boiler to be approved as minor for PSD.

History

On May 13 and May 30, 2003, Saint Vincent submitted applications to the OES requesting to add one boiler and one emergency generator. Saint Vincent Hospital and Health Services was issued a Part 70 permit on May 24, 2000.

Since the time of the original permit issuance, the source has removed Emission Units 4 (waste heat boiler), 5 (insignificant EU5 - fuel side of waste heat boiler), 11 (emergency generator 3), 9 (emergency generator 1), 10 (emergency generator 2), 12 (emergency generator 4), and 7 (medical waste incinerator). The source indicated in a phone conversation that they would like for the new boiler to be identified as EU-04 (their letter / application referred to the new unit as EU-16). The

source also has asked for many of the existing emission units to be renumbered. The new emergency generator will replace the removed emergency generator #4 and will be identified as emergency generator #4.

Enforcement Issue

- (a) OES is aware that the emergency generator has been constructed and operated prior to receipt of the proper permit. OES is aware that the source has begun construction of the boiler prior to receipt of the proper permit.
- (b) OES is reviewing this matter and will take appropriate action. This proposed permit is intended to satisfy the requirements of the construction permit rules.

Stack Summary

Stack ID	Operation	Height (feet)	Diameter (feet)	Flow Rate (acfm)	Temperature (°F)
04	boiler	33	2	13,100	338
08	emergency generator	34	1	12177	939

Recommendation

The staff recommends to the Commissioner that the Part 70 Significant Source Modification be approved. Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on May 13 and 30, 2003. Additional information was received on July 23, 2003.

Emission Calculations

See Appendix A (pages 1-4) of this document for detailed emissions calculations.

Potential To Emit of Modification

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA.”

This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	3.3
PM-10	2.3
SO ₂	78.3
VOC	2.1
CO	16.6

NO _x	36.8
HAP's	Potential To Emit (tons/year)
TOTAL	negligible

Justification for Modification

The Part 70 Operating permit is being modified through a Part 70 Significant Source Modification. This modification is being performed pursuant to 326 IAC 2-7-10.5(g). The requirements of 326 IAC 2-7-10.5(g) apply to modifications described under 326 IAC 2-7-10.5(f). This modification falls under 326 IAC 2-7-10.5(f)(4)(C) and (B) because the potential to emit of NO_x and SO₂ from the modification is greater than 25 tons per year.

County Attainment Status

The source is located in Marion County.

Pollutant	Status
PM-10	unclassifiable
SO ₂	maintenance attainment
NO ₂	attainment
Ozone	maintenance attainment
CO	attainment
Lead	attainment

- (a) Volatile organic compounds (VOC) are precursors for the formation of ozone. Therefore, VOC emissions are considered when evaluating the rule applicability relating to the ozone standards. Marion County has been designated as attainment or unclassifiable for ozone. Therefore, VOC emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) Marion County has been classified as attainment or unclassifiable for PM₁₀, NO_x, SO₂ and CO. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Source Status

Existing Source PSD or Emission Offset Definition (emissions after controls, based upon 8760 hours of operation per year at rated capacity and/or as otherwise limited):

Pollutant	Emissions (tons/year)
PM	< 250
PM-10	< 250
SO ₂	< 250
VOC	< 250
CO	< 250

NO _x	< 250
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- (a) This existing source is not a major stationary source because no attainment regulated pollutant is emitted at a rate of 250 tons per year or more, and it is not one of the 28 listed source categories.
- (b) These emissions are based upon calculations done for this source modification and considering the federally enforceable PM limit from the original Part 70 permit. The PM limit of 0.7 tons per year of PM from each boiler EU-01, EU-02 and EU-03 limits SO₂ to 25 tons per year from each boiler. Therefore, total potential to emit of SO₂ is less than 250 tons per year. Due to the removal of certain equipment at this source, potential emissions were recalculated prior to issuance of this source and permit modification.

Potential to Emit of Modification After Issuance

The table below summarizes the potential to emit, reflecting all limits, of the significant emission units after controls. The control equipment is considered federally enforceable only after issuance of this Part 70 source modification.

	Potential to Emit (tons/year)						
Process/facility	PM	PM-10	SO ₂	VOC	CO	NO _x	HAPs
Boiler (EU-04)	2.2	1.2	77.3	0.9	13.4	21.8	Negligible
Emergency Generator #3 (EU-08)	1.1*	1.1	1	1.2	3.2	15	Negligible
PSD Major Source Level	250	250	250	250	250	250	

* There is no emission factor in AP-42 for PM, therefore, the PM10 emission factor was used.

These modifications to an existing minor stationary source are not major because the emission increases are less than the PSD major source levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

Federal Rule Applicability

- (a) The new boiler, EU-04, is subject to the provisions of 40 CFR 60, Subpart A - General Provisions, except when otherwise specified in 40 CFR 60, Subpart Dc.
- (b) The new boiler, EU-04, is subject to the New Source Performance Standard, 326 IAC 12, (40 CFR 60.40c, Subpart Dc because it is a steam generating unit constructed after June 9, 1989 with a capacity between 10 and 100 MMBtu/hr.
- (1) Pursuant to 40 CFR 60, Subpart Dc (Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units):
- (A) The SO₂ emissions from Emission Unit 16 shall not exceed five tenths (0.5) pounds per million Btu heat input; or
- (B) The sulfur content of the fuel oil shall not exceed five-tenths percent

(0.5%) by weight. [40 CFR 60.42c(d)]

- (2) This proposed boiler does not burn coal or wood. The boiler does have the capability to burn fuel oil and the heat input capacity is greater than 30 MMBtu/hr. Therefore, pursuant to 40 CFR 60.43c(c), opacity from EU 4 is limited to twenty percent (20%) (6 minute average) except for one six (6) minute period per hour of not more than twenty seven percent (27%) opacity.
- (3) Pursuant to 40 CFR 60 Subpart Dc, the fuel oil sulfur content limit applies at all times, including periods of startup, shutdown, and malfunction.
- (4) Pursuant to 40 CFR 60, Subpart Dc, the Permittee shall demonstrate compliance utilizing one of the following options:
 - (A) Providing vendor analysis of fuel delivered, if accompanied by a certification; or
 - (B) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.
 - (C) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and
 - (D) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.
- (5) To document compliance, the Permittee shall maintain the following records:
 - (A) Calendar dates covered in the compliance determination period;
 - (B) Actual daily fuel oil and natural gas usage since last compliance determination period and equivalent sulfur dioxide emissions;

If the fuel supplier certification is used to demonstrate compliance, when burning alternate fuels and not determining compliance pursuant to 326 IAC 3-7-4, the following, as a minimum, shall be maintained:

 - (C) Fuel supplier certifications;
 - (D) The name of the fuel supplier; and
 - (E) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.
- (6) The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years, or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.
- (7) The Permittee shall submit notification of the date of construction, anticipated start-up, and actual startup, as provided by 40 CFR 60.7. The notification shall include the items listed in 40 CFR 60.48c(a)(1) through (4).
- (8) The Permittee shall submit the performance test data from the initial and any subsequent performance tests.

- (8) The Permittee shall submit semi-annual reports summarizing the information necessary to demonstrate compliance with the SO₂ emission limit and/or fuel oil sulfur limit.

The boiler located at the source at the time of the original Part 70 permit issuance, identified as EU-04, has been removed. In the original Part 70 Permit, 40 CFR 60, Subpart Dc was incorrectly applied to the original EU-04 (the unit was constructed in April of 1989 which is before the applicability date of June, 1989 in the NSPS). Since this unit is no longer at the source and the applicability was in error, this condition has been removed from the permit.

- (c) EU-07 (medical waste incinerator) has been removed from the source, therefore, the NSPS 326 IAC 12 (40 CFR 60, Subpart Ce) no longer applies to this source.
- (d) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14 and 40 CFR Part 63) applicable to this proposed modification.

At the time of the Part 70 Permit Issuance, the source was operating an incinerator. Emissions of HCl were calculated to be around 110 tons per year, which made the source Major for HAPs (major under Section 112 of the Clean Air Act). However, this incinerator is no longer in service and HAP emissions are now less than major. Therefore, the proposed boiler MACT, which only applies to boilers located at major sources, will not apply to this new boiler or any boiler at the source.

State Rule Applicability - Individual Facilities

326 IAC 1-6-3 (Preventive Maintenance Plan)

Pursuant to 326 IAC 2-7-5(13)(A), Part 70 permits must require that the source maintain preventive maintenance plans as described in 326 IAC 1-6-3.

Based on OES's review PMPs are required for the following emission units and any control equipment required by OES and IDEM, OAQ in the permit:

- (a) EU-04, the proposed boiler, is subject to the requirement to prepare and maintain a PMP since the boiler is a significant emission unit and is subject to the steam generating NSPS, Subpart Dc.
- (b) Emergency Generator #4, the new emergency generator, is not subject to the requirement to prepare and maintain a PMP.

326 IAC 2-2 (Prevention of Significant Deterioration)

Emissions from this modification (new boiler and new emergency generator) outlined in this significant source modification do not meet the definition of "significant major source" pursuant to 326 IAC 2-2. Emissions of Clean Air Act pollutants from these modifications are less than 250 tons per year. The source is not a major PSD source and this modification is not at major source levels.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants)

The new boiler and new emergency generator are not subject to the requirements of 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants) because they are not in and of themselves major sources of HAPs. Potential HAP emissions from this modification are negligible.

326 IAC 2-6 (Emission Reporting)

This source is subject to 326 IAC 2-6 (Emission Reporting), because it has the potential to emit more than ten (10) tons per year of Nitrogen oxide (NO_x). Pursuant to this rule, the owner/operator of the source must annually submit an emission statement for the source. The annual statement must be received by April 15 of each year and contain the minimum requirement as specified in 326 IAC 2-6-4. The submittal should cover the period defined in 326 IAC 2-6-2(8)(Emission Statement Operating Year). This requirement is already outlined in the Permittee's current Part 70 operating permit.

326 IAC 5-1 (Opacity Limitations)

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of thirty percent (30%) any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

326 IAC 6-1 (Nonattainment Area Limitations)

The source does not have potential emissions greater than 100 tons per year of particulate matter, have actual emissions greater than 10 tons per year, nor is the new boiler listed in 326 IAC 6-1-12, therefore, the requirements of 326 IAC 6-1 do not apply to the proposed boiler or proposed emergency generator.

326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating)

The proposed boiler is an indirect heating facility constructed after September 21, 1983, therefore, it is subject to the requirements of 326 IAC 6-2-4.

Pursuant to 326 IAC 6-2-4 (Particulate Matter Emissions for Sources of Indirect Heating), the PM emissions from EU-04 shall not exceed 0.2862 pound per million Btu heat input (lb/MMBtu). This limitation was calculated using the following equation:

$$Pt = \frac{1.09}{Q^{0.26}}$$

Where Q = total source capacity (MMBtu)

Pt = Pounds of particulate matter emitted per million Btu heat input

Saint Vincent Hospital has six boilers, (EU 1 and EU 2: 29.2 MMBtu/hr each; EU3 and EU 5: 35.5 MMBtu/hr; EU 4: removed; EU 8: 5.3 MMBtu/hr; and EU 4 (new): 36.5), for a Q= 171.2 MMBtu and a Pt = 0.2862. Therefore, boiler 16 is limited to a particulate emission rate of 0.2862 lb/MMBtu.

EU-04 Compliance Determination

Worst case particulate emissions arise when burning #2 fuel oil in the boiler. Based on an AP-42 emission factor of 0.014 lb/MMBtu, this facility will be in compliance with the 0.2862 lb/MMBtu particulate limit.

326 IAC 6-4 (Fugitive Dust Emissions Limitations)

This rule requires that the source not generate fugitive dust to the extent that some portion of the material escapes beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located.

326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

The emergency generator has potential emissions less than 25 tons per year of SO₂, therefore the requirements of 326 IAC 7-1.1 do not apply to the emergency generator.

The new boiler, EU-04, has potential emissions greater than 25 tons per year when burning fuel oil, therefore, the requirements of 326 IAC 7-1 apply to the new boiler.

Pursuant to 326 IAC 7-1.1 (SO₂ Emissions Limitations), the SO₂ emissions from the new boiler shall not exceed five-tenths (0.5) pound per million Btu heat input while combusting fuel oil. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average.

Compliance with this limit shall be determined utilizing one of the following options:

- (a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed five-tenths (0.5) pound per million Btu heat input by:
 - (1) Providing vendor analysis of fuel delivered, if accompanied by a vendor certification; or
 - (2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.
 - (A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and
 - (B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.
- (b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the boiler using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

In the original Part 70 permit, emergency generators #5 and #6 and boiler EU-08 (now EU-09) were subject to the requirements of 326 IAC 7-1.1-1. However, the potential to emit of SO₂ from each of these generators and EU-08 is less than 25 tons per year, therefore, the requirements of 326 IAC 7-1.1-1 are not applicable to these facilities. This requirement has been removed from the permit for emergency generators #5 and #6 and boiler EU-08 (now EU-09).

326 IAC 8-1-6 Volatile Organic Compounds (VOC)

The potential to emit of these new facilities is less than 25 tons per year of VOC, therefore, the requirements of 326 IAC 8-1-6 do not apply.

Compliance Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement

for a more or less continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The compliance monitoring requirements applicable to this modification are as follows:

1. The proposed boiler (EU-04) has applicable compliance monitoring conditions as specified below:
 - (a) Daily visible emissions notations of the boiler (EU-04) shall be performed during normal daylight operations when burning fuel oil. A trained employee will record whether emissions are normal or abnormal. For processes operated continuously "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time. In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions. A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process. The Preventive Maintenance Plan for this unit shall contain troubleshooting contingency and corrective actions for when an abnormal emission is observed.

This monitoring condition is necessary because the boiler must operate properly to ensure compliance with 6-2 (Particulate Emissions for Facilities Constructed after September 21, 1983). Visual emissions will indicate to the source whether the units are operating properly.

2. In the original permit, visible emission notations were required for all emission units in Section D.1 when burning No. 2 fuel oil. Since there are no particulate matter emission limitations for the emergency generators listed in Section D.1, the requirement to perform visible emission notations for those units when burning fuel oil has been removed.

Proposed Changes

The permit language has been changed to read as follows (deleted language appears in ~~strikeout~~; new language appears as **bold**):

All Part 70 Operating Permit model changes made to conditions in the B and C sections have been updated.

All references to the Indiana Department of Environmental Management's Office of Air Management have been changed to Office of Air Quality.

All references to the Indianapolis Environmental Resources Management Division have been changed to Office of Environmental Services.

All changes made above have been reflected in the Table of Contents.

All reporting forms have been changed to reflect the removal of emission units and the addition of the new boiler.

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)]
[326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

- (a) One (1) 29.2 mmBtu Zurn natural gas and Number 2 fuel oil fired boiler, constructed in 1971, identified as EU-01, exhausting to stack/vent ID 01 with a production capacity of 24,000 pounds per hour of steam.
- (b) One (1) 29.2 mmBtu Zurn natural gas and Number 2 fuel oil fired boiler, constructed in 1971, identified as EU-02, exhausting to stack/vent ID 02 with a production capacity of 24,000 pounds per hour of steam.
- (c) One (1) 35.5 mmBtu Zurn natural gas and Number 2 fuel oil fired boiler, constructed in 1987, identified as EU-03, exhausting to stack/vent ID 03 with a production capacity of 30,000 pounds per hour of steam.
- (d) ~~One (1) 11.25 mmBtu Superior Waste Gas and Number 2 fuel oil fired boiler, constructed in April 1989, identified as EU-04, exhausting to stack/vent ID 04 and 05 with a production capacity of 7,488 pounds per hour of steam.~~ **One (1) steam boiler, identified as EU-04, capable of burning natural gas and #2 fuel oil, with a maximum capacity of 34.8 MMBtu/hr when burning #2 fuel oil and 36.5 MMBtu/hr when burning natural gas, with a low NOx burner, and exhausting to stack 04.**
- (e) One (1) 35.5 mmBtu Zurn natural gas and Number 2 fuel oil fired boiler, constructed in 1987, identified as EU-05, exhausting to stack/vent ID 065 with a production capacity of 30,000 pounds per hour of steam.
- (f) One (1) 11.33 mmBtu Caterpillar Number 2 fuel oil fired emergency generator, constructed in 1992, identified as Emergency Generator #51 (**EU-06**), exhausting to stack/vent ID 4306.
- (g) One (1) 11.33 mmBtu Caterpillar Number 2 fuel oil fired emergency generator, constructed in 1992, identified as Emergency Generator #62 (**EU-07**), exhausting to stack/vent ID 4407.
- ~~(g) One (1) Joy Technologies medical and general waste incinerator, constructed in 1989, identified as EU-07 exhausting to stack/vent 07, with input capacity of 1500 pounds per hour, with no control. Burns medical infectious waste, general waste, cardboard waste, and food services waste. Has two chambers; chamber one operated at 1420-1650 degrees and chamber two operates at 1950 degrees.~~
- (h) **One (1) fuel oil fired emergency generator, identified as Emergency Generator #3 (EU-08), with a maximum capacity of 13.6 MMBtu/hr and exhausting to stack 8.**

A.3 ~~Specifically Regulated~~ Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)]
[326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

- ~~———— (a) ——— One (1) 1.71 mmBtu Superior natural gas and Number 2 fuel oil fired boiler, constructed in 1989, identified as EU-05, exhausting to stack/vent ID-06.~~
- (ba) One (1) 5.3 mmBtu H.B. Smith natural gas and Number 2 fuel oil fired boiler constructed in 1985, identified as EU-089, exhausting to stack/vent ID-0809. [326 IAC 6-2-4]
- ~~———— (c) ——— One (1) 6.95 mmBtu Caterpillar Number 2 fuel oil fired emergency generator, constructed in 1971, identified as Emergency Generator #1, exhausting to stack/vent ID-09.~~
- ~~———— (d) ——— One (1) 6.95 mmBtu Caterpillar Number 2 fuel oil fired emergency generator, constructed in 1971, identified as Emergency Generator #2, exhausting to stack/vent ID-10.~~
- ~~———— (e) ——— One (1) 6.95 mmBtu Caterpillar Number 2 fuel oil fired emergency generator, constructed in 1981, identified as Emergency Generator #3, exhausting to stack/vent ID-11.~~
- ~~———— (f) ——— One (1) 7.08 mmBtu Caterpillar Number 2 fuel oil fired emergency generator, constructed in 1985, identified as Emergency Generator #4, exhausting to stack/vent ID-12.~~
- (gb) One (1) 2.96 mmBtu Caterpillar Number 2 fuel oil fired emergency generator, constructed in 1985, identified as Emergency Generator #74 (EU-10), exhausting to stack/vent ID 4510.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions:

- (a) One (1) 29.2 mmBtu Zurn natural gas and Number 2 fuel oil fired boiler, constructed in 1971, identified as EU-01, exhausting to stack/vent ID 01 with a production capacity of 24,000 pounds per hour of steam.
- (b) One (1) 29.2 mmBtu Zurn natural gas and Number 2 fuel oil fired boiler, constructed in 1971, identified as EU-02, exhausting to stack/vent ID 02 with a production capacity of 24,000 pounds per hour of steam.
- (c) One (1) 35.5 mmBtu Zurn natural gas and Number 2 fuel oil fired boiler, constructed in 1987, identified as EU-03, exhausting to stack/vent ID 03 with a production capacity of 30,000 pounds per hour of steam.
- (d) ~~One (1) 11.25 mmBtu Superior Waste Gas and Number 2 fuel oil fired boiler, constructed in April 1989, identified as EU-04, exhausting to stack/vent ID 04 and 05 with a production capacity of 7,488 pounds per hour of steam.~~ **One (1) steam boiler, identified as EU-04, capable of burning natural gas and #2 fuel oil, with a maximum capacity of 34.8 MMBtu/hr when burning #2 fuel oil and 36.5 MMBtu/hr when burning natural gas, with a low NOx burner, and exhausting to stack 04.**
- (e) One (1) 35.5 mmBtu Zurn natural gas and Number 2 fuel oil fired boiler, constructed in 1993, identified as EU-05, exhausting to stack/vent ID 065 with a production capacity of 30,000 pounds per hour of steam.
- (f) One (1) 11.33 mmBtu Caterpillar Number 2 fuel oil fired emergency generator, constructed in 1992, identified as Emergency Generator #51 (EU-06), exhausting to stack/vent ID 4306.
- (g) One (1) 11.33 mmBtu Caterpillar Number 2 fuel oil fired emergency generator, constructed in 1992, identified as Emergency Generator #6 2 (EU-07), exhausting to stack/vent ID 44 07.
- (h) **One (1) fuel oil fired emergency generator, identified as Emergency Generator #3 (EU-08), with a maximum capacity of 13.6 MMBtu/hr and exhausting to stack 08.**

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 SO₂ Emissions Limitations [326 IAC 7-1.1-2(a)(3)] [40 CFR 60, Subpart Dc] [40 CFR 60, Subpart A]

- (a) Pursuant to 326 IAC 7-1.1-2(a)(3) (SO₂ Emissions Limitations) The SO₂ emissions from the ~~five~~ natural gas and Number 2 fuel oil fired boilers identified as EU-01, EU-02, EU-03, EU-04, **and** EU-05, ~~EU-08 and emergency generators identified as Emergency Generator #5 and Emergency Generator #6~~ shall not exceed five tenths (0.5) pounds per million Btu heat input; ~~or the sulfur content of the fuel oil shall not exceed five-tenths percent (0.5%) by weight.~~

- (b) ~~Pursuant to 40 CFR 60 Subpart Dc, the fuel oil sulfur content limit applies at all times, including periods of startup, shutdown, and malfunction for EU-05.~~ The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated as 326 IAC 12, apply to EU-04 except when otherwise specified in 40 CFR 60, Subpart Dc.
- (c) **Pursuant to 40 CFR 60.42c(d), the SO₂ emissions from EU-04 and EU-05 shall not exceed five tenths (0.5) pounds per million Btu heat input or the sulfur content of the fuel oil shall not exceed five-tenths percent (0.5%) by weight. Pursuant to 40 CFR 60.42c(i), the fuel oil sulfur content limit applies at all times, including periods of startup, shutdown, and malfunction.**
- (d) **Pursuant to 40 CFR 60.43c(c), emissions from EU-04 and EU-05 are limited to twenty percent (20%) opacity (6 minute averages) except for one six (6) minute period per hour of not more than twenty seven percent (27%) opacity. Pursuant to 40 CFR 60.43c(d), this opacity standard applies at all times, including periods of startup, shutdown, and malfunction.**

D.1.2 Particulate Matter [326 IAC 6-1-12]

Pursuant to 326 IAC 6-1-12 (Particulate Rules) the PM emissions from each of the three (3) Zurn natural gas and Number 2 fuel oil fired boilers identified as EU-01, EU-02, EU-03 shall **each** be limited as follows:

- a) 0.011 pounds per million Btu (lbs/mmBtu) heat input
- b) ~~736 million cubic feet per year (mcf/yr) throughput of natural gas per 12 consecutive month period or it's distillate fuel oil equivalent, which is 5544 kgal/yr.~~ 0.7 tons per year of PM.

~~These limits are equivalent to 0.7 tons per year of PM.~~

D.1.3 Particulate Matter [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4 (Particulate Matter Emission Limitations for Sources of Indirect Heating):

- (a) The Particulate Matter (PM) emissions from ~~the 44.25 million Btu per hour boiler, identified as EU-04, shall be limited to 0.03 pounds per million Btu of heat input~~ **EU-04 shall be limited to 0.2862 pounds per MMBtu of heat input.**
- (b) The Particulate Matter (PM) emissions from the 35.5 million Btu per hour boiler, identified as EU-05, shall be limited to 0.03 pounds per million Btu of heat input (mmBtu/hr) heat input.

This limitation is based on the following equation:

$$Pt = \frac{1.09}{Q^{0.26}}$$

Where: Pt = Pounds of particulate matter emitted per million Btu (lb/mmBtu) heat input
Q = Total source maximum operating capacity rating in million Btu per hour (mmBtu/hr) heat input.

D.1.4 ~~Opacity [40 CFR Part 60.43c]~~

~~Pursuant to 40 CFR Part 60.43c, EU-05 shall not discharge into the atmosphere any gases that~~

~~exceeds 20% opacity.~~

D.1.54 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for EU-05 **and EU-04**.

Compliance Determination Requirements

D.1.65 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing when necessary to determine if the facility is in compliance. If testing is required by IDEM or ERMD, compliance with the PM limits specified in Condition D.1.2, D.1.3, shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

D.1.76 Sulfur Dioxide Emissions and Sulfur Content

Compliance with condition D.1.1(**a**) **and (c)** shall be determined utilizing one of the following options.

- (a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the fuel oil sulfur content does not exceed five-tenths percent (0.5%) by weight by:
 - (1) Providing vendor analysis of fuel delivered, if accompanied by a certification;
 - (2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.
 - (A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and
 - (B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling; or
 - (3) Complying with the fuel usage limit
- (b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

A determination of noncompliance pursuant to either of the methods specified in (a) or (b) above shall not be refuted by evidence of compliance pursuant to the other method.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.1.7 Opacity Monitoring under 40 CFR 60, Subpart Dc

The Permittee shall **only** burn distillate fuel oil (fuel oil #1 or #2) in EU-04 and EU-05 such that the requirement to install, maintain and operate CEMS is not applicable.

D.1.8 Visible Emissions Notations

- (a) ~~Daily visible emission notations (when combusting No. 2 fuel) of the stack exhausts for all emission units covered in this section shall be performed during normal daylight operations when exhausting to the atmosphere.~~ **Visible emission notations of the EU-01, EU-02, EU-03, EU-04, and EU-05 stack exhaust shall be performed once per shift during normal daylight operations while combusting fuel oil.** A trained employee shall

record whether emissions are normal or abnormal.

- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. **Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.**

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.9 Record Keeping Requirements

- (a) To document compliance with Condition D.1.1(a) and (c), the Permittee shall maintain records in accordance with (1) through (6) below **for EU-01, EU-02, EU-03, EU-04, and EU-05**. Note that pursuant to 40 CFR 60 Subpart Dc, the fuel oil sulfur limit applies at all times for EU-05 **and EU-04** including periods of startup, shutdown, and malfunction.

- (1) Calendar dates covered in the compliance determination period;
- (2) Actual fuel oil **and natural gas** usage since last compliance determination period and equivalent sulfur dioxide emissions;
- (3) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period; and

If the fuel supplier certification is used to demonstrate compliance the following, as a minimum, the following shall be maintained:

- (4) Fuel supplier certifications;
- (5) The name of the fuel supplier; and
- (6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years, or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.

-
- ~~(a) Fuel usage records for emission units EU-01, EU-02, and EU-03.~~

- (b) To document compliance with Condition D.1.8, the Permittee shall maintain records of daily visible emission notations of the stack exhausts for all emission units covered in this section.

- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.10 Reporting Requirements

A semi-annual summary of the information to document compliance with Condition D.1.1 (Report fuel usage to show compliance with 40 CFR 60, Subpart Dc), Condition D.1.2 and the natural gas fired boiler certification, shall be submitted to the address listed in Section C - General Reporting Requirements, using the forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the six (6) month period being reported.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions:-

- (a) One (1) Joy Technologies medical and general waste incinerator, constructed in 1989, identified as EU-07 exhausting to stack/vent 07, with input capacity of 1500 pounds per hour, with no control. Burns medical infectious waste, general waste, cardboard waste, and food services waste. Has two chambers; chamber one operated at 1420-1650 degrees and chamber two operates at 1950 degrees.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.2.1 Burning Regulations for Incinerators (PM) [326 IAC 4-2]

Pursuant to 326 IAC 4-2-2, Burning Regulations for Incinerators, the medical and general waste incinerator identified as EU-07, shall:

- (a) Consist of primary and secondary chambers or the equivalent.
- (b) Be equipped with a primary burner unless burning wood products.
- (c) Comply with 326 IAC 5-1 (Opacity limitations).
- (d) Be maintained properly as specified by the manufacturer and approved by IDEM.
- (e) Be operated according to the manufacturer's recommendation and only burn waste approved by IDEM.
- (f) Comply with other state and/or local rules or ordinances regarding installation and operation of incinerators.
- (g) Be operated so that emissions of hazardous materials including, but not limited to, viable pathogenic bacteria, dangerous chemicals or gases, or noxious odors are prevented.
- (h) Not create a nuisance or a fire hazard.
- (i) Not emit particulate matter in excess of three tenths (0.3) pounds of particulate matter per one thousand (1,000) pounds of dry exhaust gas at standard conditions corrected to fifty percent (50%) excess air.

The operation of the incinerator shall be terminated immediately upon noncompliance with any of the above mentioned requirements.

D.2.2 Carbon Monoxide [326 IAC 9-1-2]

Pursuant to 326 IAC 9-1-2(3), Carbon Monoxide emission limits for refuse incineration and burning equipment, the Joy Technologies medical and general waste incinerator, identified as EU-07 exhausting to stack/vent 07, with input, shall not discharge carbon monoxide unless the waste gas stream is burned in a direct flame afterburner or is controlled by other means approved by the commissioner.

D.2.3 General Provisions Relating to NSPS [326 IAC 12-1][40 CFR Part 60, Subpart A]

~~_____ The provisions of 40 CFR 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the facility described in this section except when otherwise specified in 40 CFR 60, Subpart Gc.~~

~~D.2.4 Hospital/Medical/Infectious Waste Incinerators [326 IAC 11-6]~~

~~_____ (a) The medical waste incinerator is subject to 326 IAC 11-6 and 40 CFR 60, Subpart Gc with a compliance date of one year after the effective date of the rule, unless the facility is undergoing retrofit to come into compliance where compliance is required no later than March 31, 2002.~~

~~_____ (b) Pursuant to 326 IAC 11-6 and 40 CFR 60, Subpart Gc, the medical waste incinerator shall comply with the following emission limits:~~

~~_____ (1) Particulate Matter emissions shall not exceed 0.015 grains per dry standard cubic foot;~~

~~_____ Compliance with this condition satisfies the requirements of 326 IAC 6-2-4~~

~~_____ (2) Carbon Monoxide emissions shall not exceed 40 parts per million by volume;~~

~~_____ (3) Dioxins/furans shall not exceed 55 grains per billion dry standard cubic feet total dioxins/furans or 1.0 grains per billion dry standard cubic feet toxic equivalent quantity (TEQ);~~

~~_____ (4) Hydrogen chloride emissions shall not exceed 100 parts per million by volume or a 93% reduction;~~

~~_____ (5) Sulfur dioxide emissions shall not exceed 55 parts per million by volume;~~

~~_____ (6) Nitrogen oxide emissions shall not exceed 250 parts per million by volume;~~

~~_____ (7) Lead emissions shall not exceed 0.52 grains per thousand dry standard cubic feet or a 70% reduction;~~

~~_____ (8) Cadmium emissions shall not exceed 0.07 grains per thousand dry standard cubic feet or a 65% reduction;~~

~~_____ (9) Mercury emissions shall not exceed 0.24 grains per thousand dry standard cubic feet or a 85% reduction;~~

~~_____ (10) Discharge into the atmosphere of any gases shall not exceed ten percent (10%) opacity.~~

~~D.2.5 Operator Training and Qualification Requirements [326 IAC 11-6-5]~~

~~_____ The medical waste incinerator shall not operate at any time unless a fully trained and qualified Hospital/Medical/Infectious Waste Incinerator (HMIWI) operator is accessible either at the facility or available within one (1) hour. The following documentation shall be maintained at the facility and an initial review of the information with each HMIWI operator shall be conducted within one (1) year after the effective date of this rule and annually, thereafter:~~

~~_____ (a) Summary of the applicable standards;~~

~~_____ (b) Description of basic combustion theory applicable to an HMIWI;~~

~~_____ (c) Procedures for receiving, handling, and charging waste;~~

- ~~_____ (d) _____ HMIWI startup, shutdown and malfunction procedures;~~
- ~~_____ (e) _____ Procedures for maintaining proper combustion air supply levels;~~
- ~~_____ (f) _____ Procedures for operating the HMIWI and associated air pollution control systems;~~
- ~~_____ (g) _____ Procedures for responding to periodic malfunction or conditions that may lead to malfunction;~~
- ~~_____ (h) _____ Procedures for monitoring HMIWI emissions;~~
- ~~_____ (i) _____ Reporting and record keeping;~~
- ~~_____ (j) _____ Procedures for handling ash.~~

~~D.2.6 Waste Management Plan [326 IAC 11-6-6]~~

~~1. Pursuant to 326 IAC 11-6-6 and 40 CFR 60.55c, the Permittee shall prepare a waste management plan (WMP):~~

- ~~_____ (a) _____ The WMP must identify both the feasibility and approach to separate certain components of solid waste from the health care waste stream, in order to reduce the amount of toxic emissions from incinerated waste.~~
- ~~_____ (b) _____ The WMP may include, but is not limited to:
 - ~~_____ (i) _____ elements such as paper, cardboard, plastics, glass, battery, or metal recycling; or~~
 - ~~_____ (ii) _____ purchasing recycled or recycle products.~~~~
- ~~_____ (c) _____ The WMP may include different goals or approaches for different areas or departments of the facility and need not include new waste management goals for every waste stream.~~
- ~~_____ (d) _____ The WMP should identify, where possible:
 - ~~_____ (i) _____ reasonably available additional waste management measures;~~
 - ~~_____ (ii) _____ taking into account the effectiveness of waste management measures already in place;~~
 - ~~_____ (iii) _____ the cost of additional measures;~~
 - ~~_____ (iv) _____ the emission reductions expected to be achieved, and~~
 - ~~_____ (v) _____ any other environmental or energy impacts they might have.~~~~
- ~~_____ (e) _____ The American Hospital Association publication entitled "An Ounce of Prevention: Waste Reduction Strategies" shall be considered in the development of the WMP.~~

~~2. Additional Requirements:~~

- ~~_____ (a) _____ The WMP shall address proper waste segregation.~~
- ~~_____ (b) _____ The WMP shall address the management of each waste stream to assure that the Permittee is in compliance with local, state, and federal waste management rules.~~
- ~~_____ (c) _____ The WMP shall address proper management of all mercury-containing items.~~
- ~~_____ (d) _____ The WMP shall identify all items that could become mercury-containing wastes.~~
- ~~_____ (e) _____ Mercury-containing items that must be included and identified, at a minimum, are:
 - ~~_____ (i) _____ Mercury-containing thermometers (silver-colored liquid inside)~~
 - ~~_____ (ii) _____ Mercury-containing thermostats (non-electronic)~~
 - ~~_____ (iii) _____ Fluorescent and other mercury vapor lighting~~~~

- ~~(high intensity discharge - HID, metal halide, high pressure sodium and neon bulbs)~~
- ~~(iv) Gauges, such as barometers, manometers, blood pressure and vacuum gauges with silver-colored liquid~~
- ~~(v) Batteries (mercuric oxide and some alkaline batteries)~~
- ~~(vi) Paint (latex manufactured before 1990, and some oil base paints; the Permittee shall check with manufacturer)~~
- ~~(vii) Thimerosal or merbromin (in some antibacterial products)~~
- ~~(viii) Elemental mercury (from laboratories)~~
- ~~(ix) Esophageal Dilators~~
- ~~(x) Laboratory fixatives~~
- ~~(xi) Tilt switches and other equipment that contains mercury~~
- ~~(f) The WMP shall include plans to eliminate, where possible, all mercury containing items from the waste stream of the incinerator.~~
- ~~(g) The WMP shall address the training of all affected staff on proper waste management practices of mercury-containing items and other solid, hazardous and medical waste items.~~
- ~~(g) The Permittee shall have WMPs in place for all facilities or hospitals owned or operated by the Permittee that are sending waste to this incinerator. Each WMP shall comply with all requirements of this condition.~~

D.2.7 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

~~A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and any control devices.~~

Compliance Determination Requirements

D.2.8 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 11-6-7]

- ~~(a) Pursuant to 326 IAC 11-6 and 40 CFR 60, Subpart Gc, an initial performance test to demonstrate compliance with Condition D.2.4 must be conducted no later than March 31st 2002. Compliance shall be determined according to 326 IAC 3-6 concerning source sampling procedures and 40 CFR 60, Subpart Ec, Section 60.56c, excluding the fugitive emissions testing requirements under Section 60.56c(b)(12) and 60.56(c)(3).~~
- ~~(b) Pursuant to 40 CFR 60.56c(c)(2) and (3), annual performance testing to demonstrate compliance with the PM, CO, HCL and opacity emission limits established in D.2.4 shall be performed annually (no more than 12 months following the previous performance test) using the applicable procedures and test methods listed in 40 CFR 60.56c(b).~~
- ~~(1) If all three performance tests over a 3-year period indicate compliance with the emission limit for a pollutant (PM, CO, or HCL), the owner or operator may forego a performance test for that pollutant for the subsequent 2 years.~~
- ~~(i) At a minimum, a performance test for PM, CO, and HCL shall be conducted every third year (no more than 36 months following the previous performance test).~~
- ~~(ii) If a performance test conducted every third year indicates compliance with the emission limit for a pollutant (PM, CO, or HCL), the owner or operator may forego a performance test for that pollutant for an additional 2 years.~~
- ~~(iii) If any performance test indicates noncompliance with the respective~~

~~emission limit, a performance test for that pollutant shall be conducted annually until all annual performance tests over a 3-year period indicate compliance with the emission limit.~~

- ~~_____ (2) The use of the bypass stack during a performance test shall invalidate the performance test.~~
- ~~_____ (c) IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM, compliance shall be determined by a performance test conducted in accordance with Section C - Performance Testing.~~

~~D.2.9 Compliance Date [326 IAC 11-6-9]~~

~~_____ Pursuant to 326 IAC 11-6-9, the source shall install the necessary air pollution control equipment and be in compliance with all provisions of this rule no later than March 31, 2002, provided the following measurable and enforceable incremental steps of progress are taken:~~

- ~~_____ (a) Submit a final control plan no later than June 30, 1999 (already submitted);~~
- ~~_____ (b) Award contracts for emissions control systems or for process modifications, or issuance of orders for the purchase of component parts to accomplish emission control or process modifications no later than March 31, 2000;~~
- ~~_____ (c) Initiate on-site construction or installation of emission control equipment or process change no later than March 31, 2001;~~
- ~~_____ (d) Complete on-site construction or installation of emission control equipment or process change no later than September 30, 2001;~~
- ~~_____ (e) Be in final compliance no later than March 31, 2002.~~
- ~~_____ (f) The source shall be in compliance with the operator training and qualification requirements within one (1) year after the effective date of this rule.~~

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

~~D.2.10 Monitoring [326 IAC 11-6-7]~~

- ~~_____ (a) Compliance monitoring shall be performed according to 40 CFR 60.57c, based on the type of control equipment installed.~~
- ~~_____ (b) The Permittee shall obtain monitoring data at all times during HMIWI operation except during periods of monitoring equipment malfunction, calibration, or repair. At a minimum, valid monitoring data shall be obtained for 75 percent of the operating hours per day and for 90 percent of the operating days per calendar quarter that the affected facility is combusting hospital, medical and/or infectious waste.~~

~~D.2.11 Visible Emissions Notations~~

- ~~_____ (a) Daily visible emission notations of the medical waste incinerator stack exhaust, WDS-01, shall be performed during normal daylight operations until the final compliance date of March 31, 2002. A trained employee shall record whether emissions are normal or abnormal.~~
- ~~_____ (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty (80) percent of the time the process is in operation, not counting startup or shut down time.~~
- ~~_____ (c) In the case of batch or discontinuous operations, reading shall be taken during that part of~~

~~the operation that would normally be expected to cause the greatest emissions:~~

- ~~_____ (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.~~
- ~~_____ (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.~~

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.2.12 Record Keeping Requirements

- ~~_____ (a) To document compliance with Condition D.2.4, the Permittee shall maintain information on site for a period of at least 5 years sufficient to establish compliance with 40 CFR 60.58c, based on the control equipment installed.~~
- ~~_____ (b) To document compliance with Condition D.2.11, the Permittee shall maintain records of daily visible emission notations of the incinerator stack exhaust, EU-07, until the final compliance date of March 31, 2002.~~

D.2.13 Reporting Requirements

- ~~_____ (a) The Permittee shall submit a final control plan no later than June 30, 1999 (already submitted).~~
- ~~_____ (b) The Permittee shall submit the following information no later than 60 days following the initial performance test:~~
 - ~~_____ (1) The initial performance test data;~~
 - ~~_____ (2) The values for the site-specific operating parameters, as applicable [40 CFR 60.56c(d) or (i)];~~
 - ~~_____ (3) The waste management plan.~~
- ~~_____ (c) Upon the compliance date, the Permittee must submit a semi-annual report, including the following information:~~
 - ~~_____ (1) The values for the site-specific operating parameters, as applicable;~~
 - ~~_____ (2) The highest maximum operating parameter and the lowest operating parameter, as applicable, for the year being reported;~~
 - ~~_____ (3) The highest maximum operating parameter and the lowest operating parameter as applicable, for the year preceding the year being reported;~~
 - ~~_____ (4) Identification of calendar days, times, description and durations of malfunctions; calendar days of emission rates or operating parameters not measured and the reason; and calendar days of emissions rates or operating parameters exceeding the applicable limits; for the year being reported;~~
 - ~~_____ (5) Identification of calendar days, times, description and durations of malfunctions; calendar days of emission rates or operating parameters not measured and the reason; and calendar days of emissions rates or operating parameters exceeding~~

~~the applicable limits; for the preceding year being reported;~~

~~_____ (6) If a performance test was conducted during the reporting period, the results of that test;~~

~~_____ (7) If no exceedances or malfunctions were reported for the calendar year being reported, a statement that no exceedances occurred during the reporting period;~~

~~-~~

~~_____ (8) Any use of the bypass stack, the duration, reason for malfunction and corrective action taken;~~

~~_____~~

~~_____ (d) The reports required in (a), (b) and (c) of this condition shall be submitted to the address listed in Section C - General Reporting Requirements.~~

SECTION D.32 FACILITY OPERATION CONDITIONS - Insignificant Activities

Facility Description [326 IAC 2-7-5(15)] The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions:

- (a) ~~One (1) 1.71 mmBtu Superior natural gas and Number 2 fuel oil fired boiler, constructed in 1989, identified as EU-05, exhausting to stack/vent ID 06.~~
- (b) ~~One (1) 5.3 mmBtu H.B. Smith natural gas and Number 2 fuel oil fired boiler constructed in 1985, identified as EU-089, exhausting to stack/vent ID 089.~~
- (b) One (1) 2.96 mmBtu Caterpillar Number 2 fuel oil fired emergency generator, constructed in 1985, identified as Emergency Generator #74 (EU-10), exhausting to stack/vent ID 4510.

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.32.1 Particulate Matter [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4 (Particulate Matter Emission Limitations for Sources of Indirect Heating):

- (a) The Particulate Matter (PM) emissions from the boiler identified as EU-089 shall be limited to 0.03 pounds of particulate matter emitted per million Btu (lb/mmBtu) heat input

The limitation is based on the following equation:

$$Pt = \frac{1.09}{Q^{0.26}}$$

Where: Pt = Pounds of particulate matter emitted per million Btu (lb/mmBtu) heat input
Q = Total source maximum operating capacity rating in million Btu per hour (mmBtu/hr) heat input.

Compliance Determination Requirements

D.32.2 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

The Permittee is not required to test this facility by this permit. However, IDEM and ~~ERM~~ OES may require compliance testing when necessary to determine if the facility is in compliance. If testing is required by IDEM or ~~OES ERM~~ OES, compliance shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

Conclusion

The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Significant Source Modification No. 097-17256-00129 and the attached Part 70 Significant Permit Revision No. 097-17919-00129.

**Indiana Department of Environmental Management
Office of Air Quality
and
Indianapolis Office of Environmental Services**

Addendum to the Technical Support Document for a Significant Permit Revision
to a Part 70 Operating Permit

Source Name:	Saint Vincent Hospital and Health Services
Source Location:	2001 West 86th Street, Indianapolis, IN 46240
County:	Marion
SIC Code:	8062
Operation Permit No.:	T097-7469-00129
Significant Permit Revision No.:	SPR097-17919-00129
Significant Source Modification No.:	SSM097-17256-00129
Permit Reviewer:	Amanda Hennessy

On September 25, 2003, the Office of Air Quality (OAQ) and the Office of Environmental Services (OES) had a notice published in the Indianapolis Star stating that Saint Vincent Hospital and Health Services had applied for a Significant Source Modification and Significant Permit Revision to a Part 70 Operating Permit for a new emergency generator and a new boiler. The notice also stated that OAQ and OES proposed to issue a permit revision for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

On October 21, 2003, Saint Vincent Hospital and Health Services submitted comments on the proposed Part 70 permit. The summary of the comments is as follows:

Comment 1:

The only corrections we saw on the Permit draft are some minor details in the Table of Contents:

D.1.4 Preventive Maintenance Plan
D.1.5 Testing Requirements
D.1.6 Sulfur Dioxide Emissions and Sulfur Content
D.1.7 Opacity

Certification	Page 35
Emergency / Deviation Occurrence Report	Page 36
Natural Gas Fired Boiler Certification	Page 38
Semi-Annual Report	Page 39
Semi-Annual Compliance Monitoring Report	Page 40
Attachment A	Page 41

Response to Comment 1:

IDEM and OES agree. The following changes have been made in the Table of Contents:

D.1 FACILITY OPERATION CONDITIONS - Five (5) Natural Gas/ #2 Fuel Oil Fired Boilers and Three (3) Emergency Generators 30

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 SO₂ Emissions Limitations [326 IAC 7-1.1-2(a)(3)] [40 CFR 60, Subpart Dc] [40 CFR 60,

Subpart A]

- D.1.2 Particulate Matter [326 IAC 6-1-12]
- D.1.3 Particulate Matter [326 IAC 6-2-4]
- ~~D.1.4 Opacity [40 CFR Part 60.43c]~~
- D.1.54 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

Compliance Determination Requirements

- D.1.65 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]
- D.1.76 Sulfur Dioxide Emissions and Sulfur Content

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

- D.1.7 Opacity Monitoring under 40 CFR 60, Subpart Dc**
- D.1.8 Visible Emissions Notations

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

- D.1.9 Record Keeping Requirements
- D.1.10 Reporting Requirements

D.2 FACILITY OPERATION CONDITIONS - Insignificant Activities 34

Emission Limitations and Standards [326 IAC 2-7-5(1)]

- D.2.1 Particulate Matter [326 IAC 6-2-4]

Compliance Determination Requirements

- D.2.2 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

Certification	4035
Emergency/Deviation Occurrence Report	4136
Natural Gas Fired Boiler Certification	4338
Semi-Annual Report	4439
Semi-Annual Compliance Monitoring Report	4540
Attachment A (state rules adopted by reference)	4641